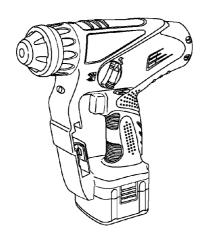
Service Manual

Cordless Rotary Hammer Drill & Driver EY6803-U1



SPECIFICATIONS

Maximum drilling diameter	Concrete	ϕ 10mm (25/64") – 12.5mm (15/32")* * For work that can be completed with one battery pack.			
	Steel	13mm (33/64")			
Motor voltage		12V DC			
Speed at no load (RPM)		0 ~ 1000/min (rpm)			
Blows rate per minute (BPM)	Soft Mode	0 ~ 4000/min (bpm)			
Weight (with battery pack)		2.5kg (5.5lbs.)			
Dimensions (LxWxH)		249x257x64mm (10"x10-1/8"x2-1/2")			

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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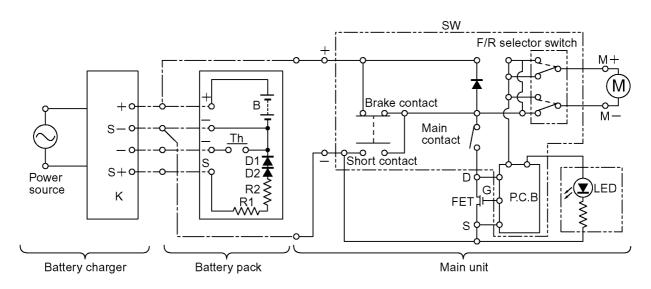
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Panasonic

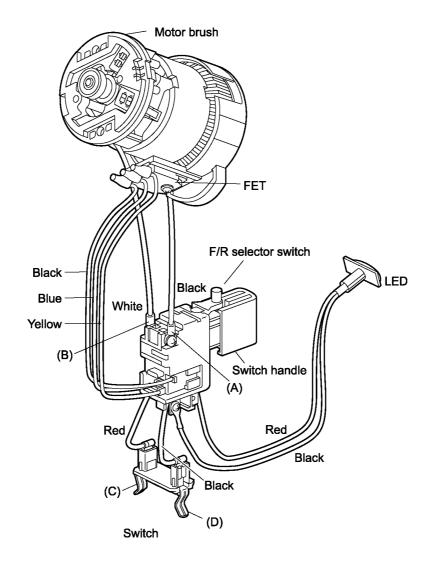
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EY6803-U1

1 SCHEMATIC DIAGRAM

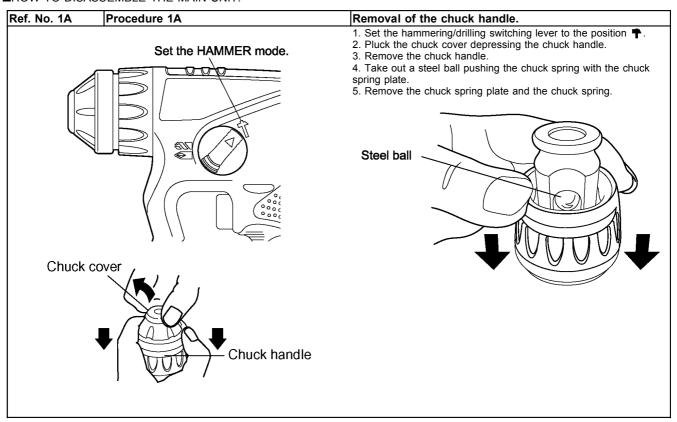


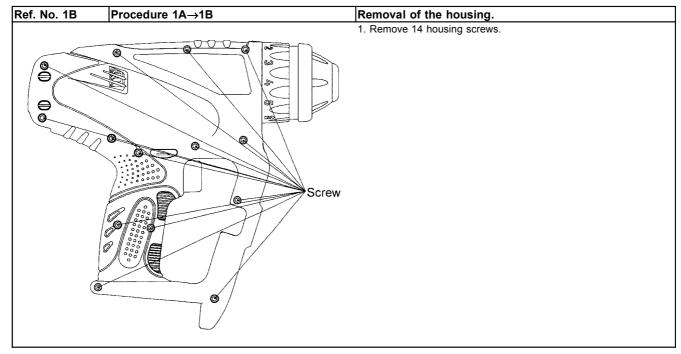
2 WIRING CONNECTION DIAGRAM



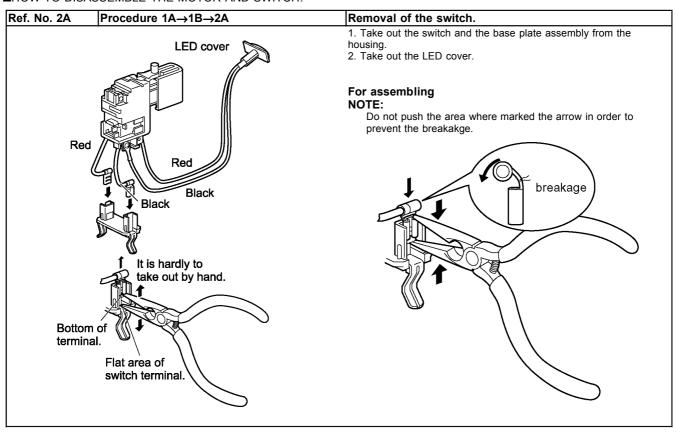
3 DISASSEMBLY/ASSEMBLY INSTRUCTIONS

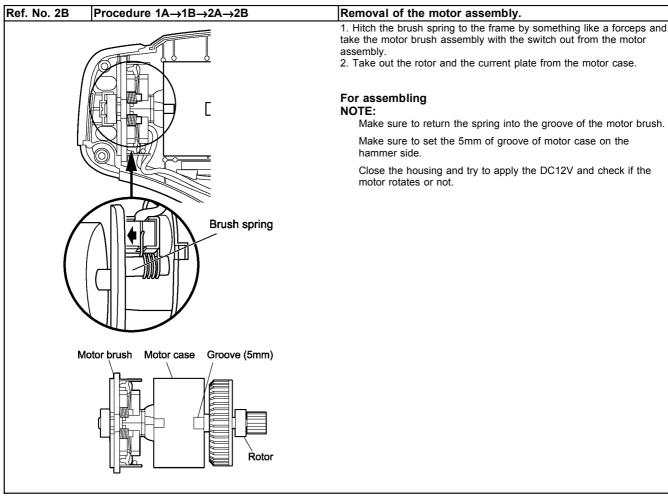
■HOW TO DISASSEMBLE THE MAIN UNIT.



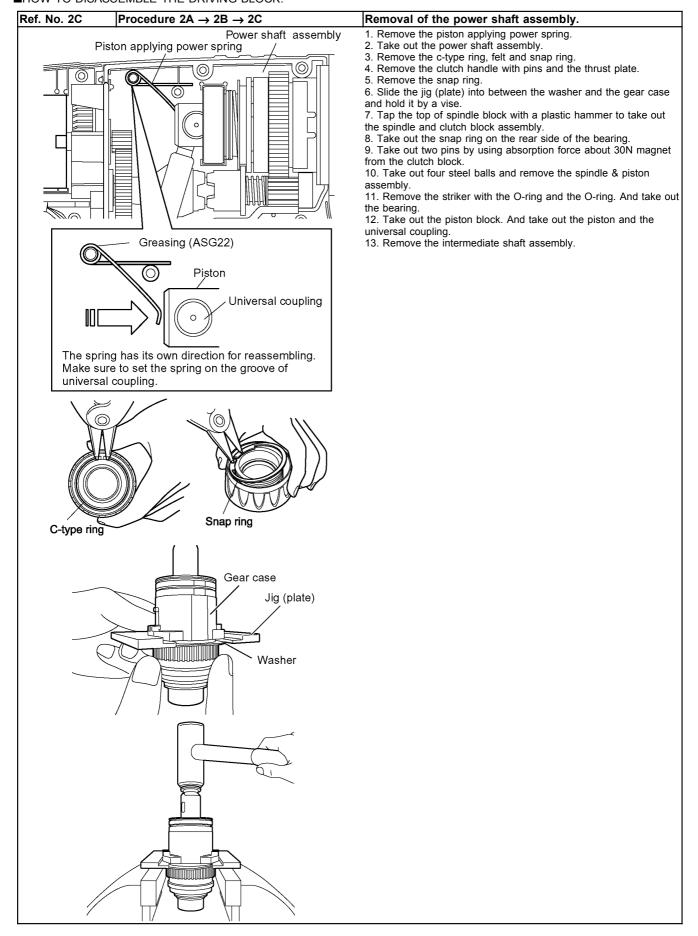


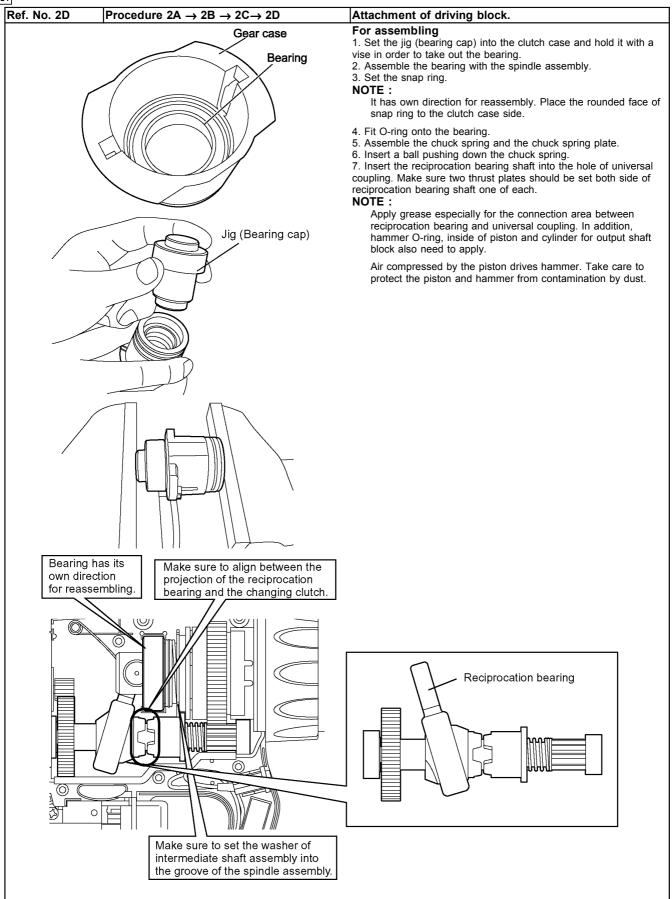
■HOW TO DISASSEMBLE THE MOTOR AND SWITCH.





■HOW TO DISASSEMBLE THE DRIVING BLOCK.

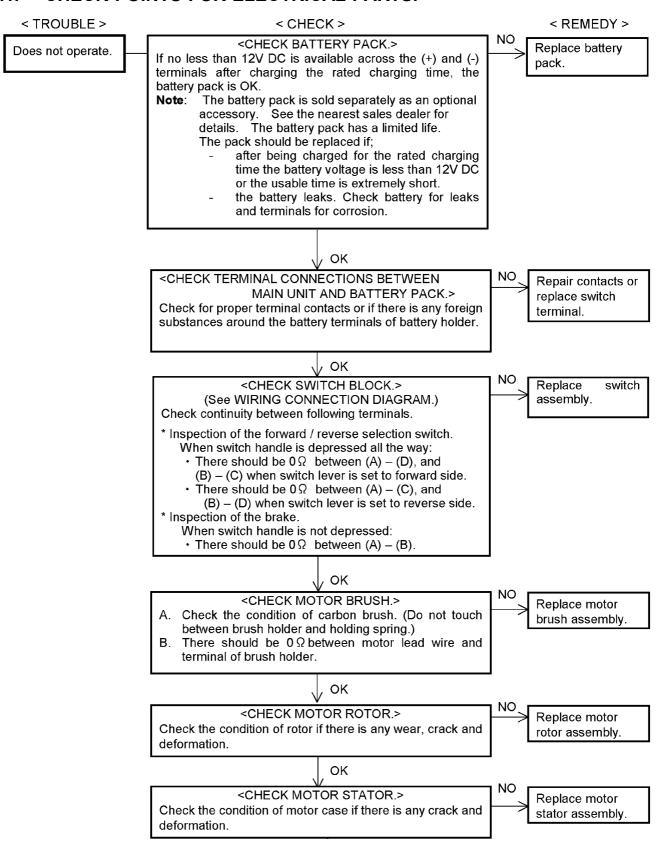


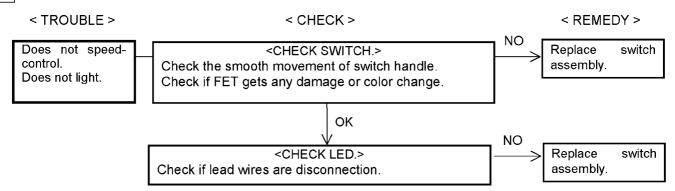


4 TROUBLESHOOTING GUIDE

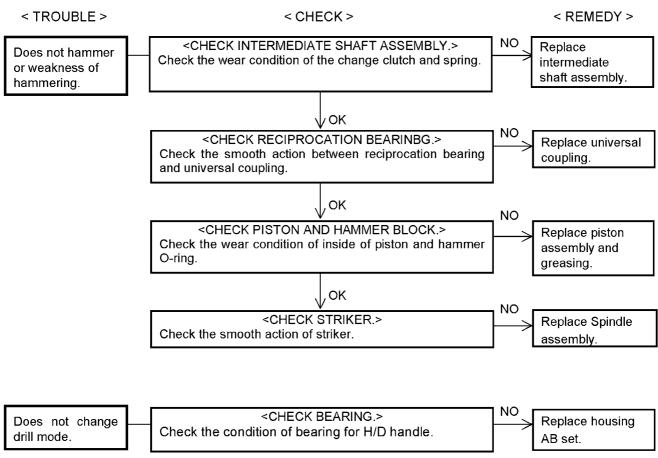
(Refer to WIRING CONNECTION DIAGRAM)

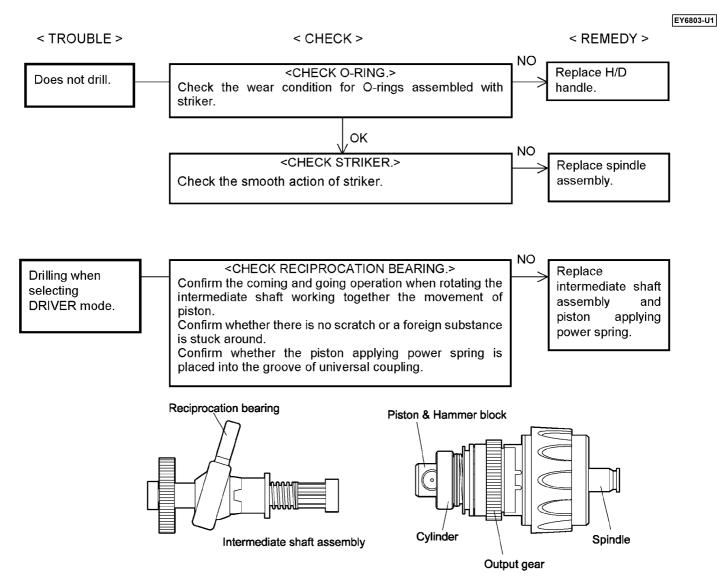
4.1. CHECK POINTS FOR ELECTRICAL PARTS.

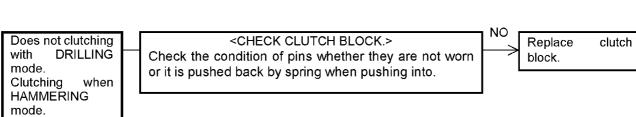




4.2. CHECK POINTS FOR MECHANISM BLOCK.







5 TRIAL OPERATION (after checking TROUBLESHOOTING GUIDE.)

5.1. HAMMER/DRILL

Confirm the action when setting the H/D handle to HAMMER mode.

Rotation with hammering when the drill bit touches something like stone, and power.

It is OK, if it takes about 4-6 seconds by 20kgf to hole (ϕ 6X30) on the concrete .

Confirm the action when setting the H/D handle to DRILL mode.

No hammering when the drill bit touches iron plate.

5.2. SWITCH

<SPEED CONTROL>

Change the rotation speed from 0-1000 rpm in proportion to the amount of pushing level on switch trigger.

<I FD>

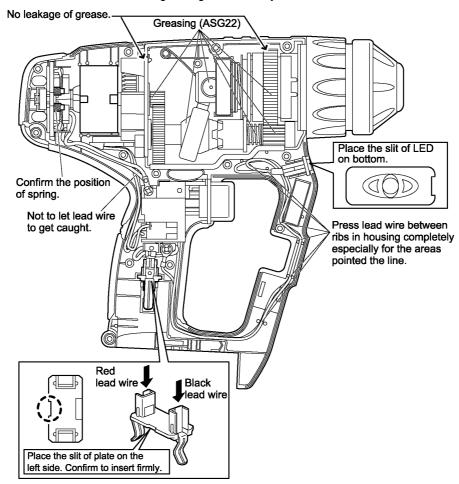
Check if the LED is lits.

5.3. REVERSING LEVER

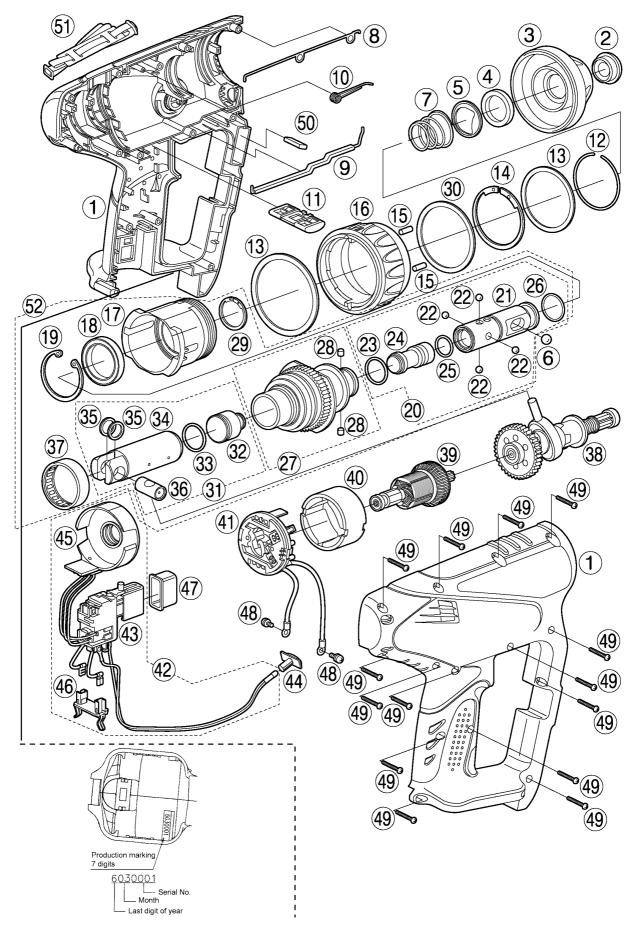
Confirm the action with setting the reversing lever to FORWARD or REVERSE.

5.4. ASSEMBLY

Confirm pressing the lead wires between ribs, tightening screws firmly.



6 EXPLODED VIEW



REPLACEMENT PARTS LIST

NOTE:

*B=only available as set

*C=available individually

Ref.No.	Part No.	Part Name & Description		Remarks		Per Unit
1	WEY6803K3078	HOUSING AB SET				1
2	WEY6813H3117	CHUCK COVER				1
3	WEY6803K3127	CHUCK HANDLE				1
4	WEY6813L0427	BALL GUIDE				1
5	WEY6813L0437	CHUCK SPRING STRIKE PLATE				1
6	WEY6813L1917	STEEL BALL		Ф 7		1
7	WEY6813L0917	CHUCK SPRING				1
8	WEY6803L3997	SEAL A				1
9	WEY6803L3987	SEAL B				1
10	WEY6803L0927	PISTON APPLYING POWER SPRING				1
11	WEY6803Y3247	F/R HANDLE				1
12	WEY6803L1167	C-TYPE RING				1
13	WEY6803L3137	FELT				1
14	WEY6803L0467	SNAP RING				1
15	WEY6803L1707	LOCK PIN	*B	(2PCS/PK)		2
16	WEY6803Y3227	CLUTCH HANDLE		(22 00, 211,		1
17	WEY6803Y3297	CLUTCH CASE				1
18	WEY6813L4957	BEARING				1
19	WEY6803L0477	SNAP RING		+		1
20	WEY6803L4067	SPINDLE ASSEMBLY		+		1
21	WEY6803L0057	SPINDLE ASSEMBLE				1
22	WEY6813L1927	STEEL BALL	*B	Φ 5, (6PCS/PK)		4
23	WEY6813L0347	O RING	- "5	φ 3, (GFCB/FR)		1
				+		
24 25	WEY6803L1237	STRIKER		+		1
	WEY6813L0327	O RING		+	+	
26	WEY6813L0317	O RING		+		1
27	WEY6803L4907	CLUTCH ASSEMBLY	+	F4 (2PGG (PK)		2
28	WEY6813L0907	PIN	*B	5x4 (2PCS/PK)		1
29	WEY6813L0477	SNAP RING			_	1
30	WEY6803L0857	THRUST PLATE	*C			2
31	WEY6803L1247	PISTON ASSEMBLY		+		1
32	WEY6803L4627	HAMMER			_	1
33	WEY6803L0977	O RING		+		1
34	WEY6803L1987	PISTON		(22.22.42.2)		1
35	WEY6812L0847	THRUST PLATE	*B	(2PCS/PK)		2
36	WEY6803L1257	UNIVERSAL COUPLING		+		1
37	WEY6803L0387	NEEDLE BEARING				1
38	WEY6803L4057	INTERMEDIATE SHAFT ASSEMBLY				1
39	WEY6803L1467	MOTOR ROTOR ASSEMBLY				1
40	WEY6803L1187	MOTOR STATOR ASSEMBLY		+		1
41	WEY6803L2307	MOTOR BRUSH ASSEMBLY				1
42	WEY6803L2007	SWITCH ASSEMBLY		1		1
43	WEY6803L2017	SWITCH		1		1
44	WEY6803L2337	LED COVER				1
45	WEY6803L0417	BASE PLATE BLOCK		1		1
46	WEY6803L2407	TERMINAL BLOCK		1		1
47	WEY6813L3137	TRIGGER COVER				1
48	WEY6261B6027	SEMS SCREW	*C	K3-6		2
49	WEY6230K9218	TORX TAPPING SCREW	*C	K3X20		14
50	WEY6803L0137	CUSHION RUBBER				1
51	WEY3561L3417	SHOULDER STRAP				1
52	WEY6803L4538	POWER SHAFT ASSEMBLY				1
-	WEY6811X5537	GREASE		ASG-22		1
-	WEY6812T7918	GREASE				1
-	WEY9629K7018	TOOL CASE				1
_	WEY6803K4968	JIG (PLATE & CAP)				1
_	WEY6803K8108	OPERATING INSTRUCTIONS				1

^{**} Battery Pack and Bit Adaptor are available as an optional accessory. .

See the nearest sales dealer for details.

Charger complete set is available as an optional accessory. See the nearest sales dealer for details.

^{***} For replacement parts of charger, see the charger service manual.